



HISTORIC PRESERVATION ARCHITECT & ENGINEER

CURRICULUM VITAE

EDUCATION

1997 **J.D.**, *University of Maryland School of Law.*
1978 **M.S.Eng.**, *University of Pennsylvania.*
1975 **M.Arch.**, *University of Pennsylvania.*
1967 **B.A.**, *cum laude, Amherst College.*
1963 **Diploma**, *Woodberry Forest School.*

PROFESSIONAL EXPERIENCE

1999-2010 **Principal**, *S. Harris Ltd. and S. Harris & Co.*
1984-1999 **Partner**, *Kieran, Timberlake & Harris.*
1981-1984 **Associate**, *Venturi, Rauch & Scott Brown.*
1976-1981 **Project Engineer**, *Keast & Hood, Co.*

PROFESSIONAL REGISTRATIONS

1989 **Registered Architect**, *Pennsylvania, Maryland, New Jersey*
1982 **Professional Engineer, Structural**: *Pennsylvania, Maryland, New Jersey, Virginia*

PROFESSIONAL CERTIFICATIONS

2011 **Certificate**, *Building Inspection Engineers Certification Institute*
2009 **Certificate**, *24 Hour HAZWOPER Training, 29 CFR 1910.120(e).*
2009 **LEED Green Associate**, *USGBC Leadership in Energy and Environmental Design (LEED).*
2008 **Certificate**, *Confined Space Entry, 29 CFR 1910.146.*
1996 **CAP Architectural Assessor**, *Conservation Assessment Program.*
1995 **PADI Open Water Diver.**

ACTIVE PROFESSIONAL MEMBERSHIPS

2011 **National Society of Professional Engineers**
2011 **National Academy of Building Inspection Engineers**
2006 **American Society of Civil Engineers**
2003 **The American Institute for Conservation**
1994 **The Carpenters Company of the City and County of Philadelphia**
1988 **The Association for Preservation Technology**

HONORS & AWARDS

2003 **College of Fellows**, *The American Institute of Architects.*
2000 **G. Holmes Perkins Distinguished Teaching Award**, *University of Pennsylvania, Graduate School of Fine Arts.*
1996 **Honor Award**, *Philadelphia Chapter American Institute of Architects, Fingerspan, with Jody Pinto.*
1992 **Initiative Award for Preservation Publication**, *Preservation Pennsylvania.*

ACADEMIC AFFILIATIONS

1982- 2004 **Adjunct Professor**, *University of Pennsylvania, Department of Architecture.*
1982- 2002 **Adjunct Professor**, *University of Pennsylvania, Historic Preservation Program.*
1994 **Eero Saarinen Distinguished Professor of Design**, *Yale University, School of Art & Architecture.*
2001 **Acting Program Director**, *Goucher College, Master of Arts in Historic Preservation Program.*
1995-2002 **Adjunct Associate Professor**, *Goucher College, Master of Arts in Historic Preservation Program.*
1995-2005 **Lecturer**, *Winterthur Museum and University of Delaware, Art Conservation Program.*
2001-2002 **Instructor**, *Harvard Design School, Harvard University Executive Education Program.*
2002-2003 **Lecturer**, *Clemson University, Department of Architecture.*
2003-2008 **Lecturer**, *University of Victoria, Program in Historic Preservation, Victoria, British Columbia.*

BOARDS AND PANELS

2000-2004 **Board of Directors**, *The Conservation Center*, Philadelphia, PA
 1998-2004 **Board of Directors**, *Cliveden: A National Trust for Historic Preservation Property*, Philadelphia, PA
 1997-2001 **Board of Directors**, *Preservation Pennsylvania*
 1994-1998 **Board of Directors**, *Lemon Hill Historic Mansion*, Philadelphia, PA
 1993-1995 **Grants Panel**, *New York State Council for the Arts*
 1994-1995 **President**, *Historic Preservation Board of Pennsylvania*
 1991-1993 **Board Member**, *Historic Preservation Board of Pennsylvania*
 1991-2004 **Grants Panel and Advisor**, *New Jersey Historic Trust*

PUBLICATIONS & PRESENTATIONS

2011 **Theodore Sigman Memorial Lecturer**, **National Academy of Building Inspection Engineers Annual Conference**, Myrtle Beach, SC.
 2010 **Presenter**, **Preservation New Jersey Annual Conference**, **Hidden Consequences of National Register Applications**, New Brunswick, NJ
 2007 **Presenter**, **American Institute for Conservation**, **The Ethical Bases of Preservation Judgments and Preferences**, Richmond, VA
 2007 **Presenter**, **Saving Places 2007: Planning, Growth, and Presentation**, **Colorado State Preservation Conference**. Denver, CO.
 2006 **Presenter**, **Structural Analysis of Historical Constructions Conference**, **Roofing as an Essential Element of Structural Integrity**. New Delhi, India, 2006.
 2006 **Presenter**, **Rethinking Sustainable Construction, 2006**, **The Greenest Building May Be The Old One**, Sarasota, FL
 2005 **Presenter**, **International Conference of Conservation of Historic Wooden Structure**, **Tale of Two Barns, A Study in Deformation Reversal in Timber Structures**. Collegio degli Ingegneri della Toscana, Florence, Italy.
 2004-2006 **Instructor**, **National Center for Preservation Technology and Training**, **Summer Institute for Preservation Engineering**, Natchitoches, LA
 2003 **Instructor**, **Association for Preservation Technology International**, **Material Properties and Pathology Workshop**, Portland, ME
 2001 **Author**, **Building Pathology: Deterioration, Diagnostics, and Intervention**, John Wiley & Sons. New York.
 1999 **Presenter**, **National Trust for Historic Preservation**, Washington D.C.

MILITARY SERVICE

1968- 1973 **Active Duty**
 Awarded Distinguished Flying Cross, Bronze Star Medal, Air Medal (eight awards), Cross of Gallantry (RVN).
 1969 Commissioned, U.S. Army Infantry School, Ft. Benning.
 1970 Graduated, U.S. Army Aviation School, Ft. Rucker.
 1970-1971 Assigned to HHC, 2nd Brigade, 1st Armor Division, Ft. Hood.
 1971 Branch transferred to Army Medical Department.
 1971-1972 Assigned to Air Ambulance Platoon, 326th Medical Battalion, 101st Airborne Division, Republic of Vietnam.
 1972 Assigned to 157th Air Ambulance Detachment, Long Binh, Republic of Vietnam
 1972-1973 Assigned to 507th Air Ambulance Company, Ft. Sam Houston.
 1972 Promoted to Captain.

1973-1994 **Reserve Duty**
 Awarded Meritorious Service Medal, Army Commendation Medal (three awards), Army Achievement Medal.
 1973-1978 Assigned to 361st Evacuation Hospital, Unit
 1978-1980 Assigned to 338th Medical Group
 1980-1994 78th Maneuver Training Command, Medical Exercise Team.
 1982-1994 Medical Exercise Team Chief.
 1982 Promoted to Major.
 1989 Promoted to Lieutenant Colonel.
 1994 Retired.

SELECTED PROJECTS

Eastern State Penitentiary, Philadelphia, PA

Principal Architect since 1988 of the 11-acre National Historic Landmark, which is currently under consideration for World Heritage Site nomination. Performed architectural and engineering studies, designs to stabilize the structures on site, design documents for transforming the former administrative offices into contemporary work spaces, and participation with Master Planning initiatives. A primary goal for each undertaking is an emphasis on preservation and minimal disruption to the historic fabric of the prison site.

Pine Building at the Pennsylvania Hospital, Philadelphia, PA

Provided a comprehensive preservation assessment of the building, recommendations for facade renovation, as well as construction documents and management for the National Historic Landmark. Presented findings and recommendations to the administration and the Save the Pine Building Advisory Board who determined the allocation of funds. Prepared facade easement documents to satisfy funding requirements. Provided a phased approach with projected cost estimates for restoration and repair work to the building, identified the most severe conditions as highest priorities in order to accommodate budget constraints.

Asbury Park Convention Hall & Boardwalk, Asbury Park, NJ

Architect of Record for the 2008 redevelopment of the existing buildings located on the Asbury Park Boardwalk, including the Historic Convention Hall, Casino/Carousel, Power House, five Pavilions, and the Stony Pony. Initially retained as structural consultant for the Convention Hall, later named Site Engineer and Architect of Record for nine ocean-front buildings. Oversaw all aspects of the restoration projects, and orchestrated a team of consultants to complete the work in an expeditious manner.

Capital Park Master Plan, Trenton, NJ

Structural Consultant for the park project, intended to highlight and celebrate Trenton's historic remnants and reconnect the City to the Delaware River by activating a large urban park. Archeological excavations that exposed the ruins of Trenton's robust industrial history and are intended to be highlighted in the final design for the space. Responsibilities included structural evaluation of the site and preparation of recommendations for repair and stabilization, site shoring and earth retention design.

Historic Delaware Inn, Trenton, NJ

Oversaw the investigation, analysis, and design of the structural condition of the Historic Delaware Inn. In order to reach the City's goals of reopening the building as a living history museum as part of the Waterfront development plan, the loading capacity had to be increased meet current building code requirements. Oversaw the preparation of design details and construction documents to implement the improvements.

Historic St. Peters Church, Philadelphia, PA

Building Pathologist, Architect and Engineer for over twenty years of rehabilitation work at this National Historic Landmark. Performed a comprehensive assessment, roof assessment and provided documents and project management for the tower structural stabilization. Current projects include the design and project management of the Tower roof replacement, structural analysis of the sanctuary trusses, and investigation of the cornice.

John Harris Mansion, Harrisburg, PA

Provided the conservation assessment of this National Historic Landmark Mansion and its outbuildings. Work was performed under the Conservation Assessment Program (CAP), administered by Heritage Preservation. Oversaw the evaluation of the interior, exterior and overall site for problematic conditions and met with staff to discuss storage and conservation issues as well as to recommend treatment methods and to set priorities.

American Philosophical Society, Philadelphia, PA

Performed an Architectural Assessment of the three buildings that make up this National Historic Landmark site. Provided a written report under the guidelines of the Conservation Assessment Program (CAP) identifying recommendations for methods of improving each buildings capacity to protect, preserve, and provide access to the historic collections it houses.

Loudoun Mansion, Philadelphia, PA

Conducted a comprehensive assessment and analysis of interior conditions, identified areas prone to water infiltration, and provided details for the removal and replacement of the front porch. Developed a repair matrix keyed to floor plans which identified each finish related issue as well as the appropriate repair specification, specifying a step-by-step procedure for each interior repair condition. Provided construction documents designed to redistribute water runoff from the problematic roof areas.

Carpenters' Hall, Philadelphia, Pennsylvania

Performed an exterior envelope assessment of this National Historic Landmark providing general recommendations for improving and addressing issues of water infiltration, masonry deterioration, and fenestration. Conducted an on-site investigation of the exterior façade, and provided a written summary of issues and concerns regarding the exterior envelope. The recommendations were meant to assist the Carpenters' Company in maintaining this building throughout the 21st Century.

Lewis Store, Historic Fredericksburg Foundation Inc., Fredericksburg, Virginia

Structural Engineer for the Lewis Store, one of the oldest surviving retail stores in the nation. Responsibilities included the design of structural reinforcements to increase the load capacity, preparation of construction documents and specifications, and construction administration services. This project was successfully completed in 2006 and is listed on the National Register of Historic Places.

Memorial Hall, Philadelphia, Pennsylvania.

Performed an investigation to determine the cause of deteriorating interior ornamental plaster and assessed the integrity of the structural connections. Provided treatment recommendations for the plaster deterioration mechanisms: one was related to the wood timber framing failure, the other to water infiltration from a decaying roof membrane.

U.S. Snagboat Montgomery, Pickensville, Alabama.

Conducted an inspection and conditions assessment of the National Historic Landmark vessel and provided repair recommendations organized such that each problem was assigned a degree of priority. Issues of electrification, fire detection and protection, material deterioration and drainage were addressed in the report.

ADDITIONAL PROJECTS**100 Market Street, Philadelphia, PA**

Facade stabilization and structural engineering. Consultant to Wesley Architects.

Bath Hotel, Nevis, West Indies.

Assessment for the Historical Society of Nevis.

Belmont Mansion, Philadelphia, PA

Water infiltration analysis and recommendations. Consultant to Fairmount Park Historic Trust.

Bucks County Community College, Newtown, PA

Drainage system and plaza restoration of Tyler Hall.

Case Building, Fairmount Park, Philadelphia, PA

Survey, assessment, and construction documents for roof replacement.

Centennial Comfort Stations, Fairmount Park, Philadelphia, PA

Survey, assessment, and construction docs for building repairs.

English Barn, Bernards Township, NJ

Structural analysis and restoration, consultant to Historic building Architects.

Fairmount Park Art Association, Philadelphia, PA

Design, engineering, and construction management of public arts projects.

First African Baptist Church, Philadelphia, PA

Tower stabilization and repairs.

Fort Hayes, Columbus, OH

Conditions assessment of ten buildings on this national historic site, contracted under the Army Corps of Engineers.

Glen Foerd on the Delaware, Philadelphia, PA

Roof renovation and reconfiguration.

Johnson-Matthey, Inc., Paulsboro, NJ

Design of new reinforced concrete vault for Pharmaceutical Materials Division.

Linderman Library at Lehigh University, Bethlehem, PA

Envelope and historic finishes consultant to MGA Architects. ,

Montgomery Maintenance Building, Philadelphia, PA

Survey, assessment, and construction documents for roof replacement.

Mt. Sinai Hospital Redevelopment, Philadelphia, PA

Survey and documentation of exterior envelope conditions.

National Products, Philadelphia, PA

Tile preservation evaluation, conditions assessment, and structural bracing recommendations.

New Hope (Gaudenzia), Philadelphia, PA

Survey, assessment, and construction document preparation for interior and exterior renovations.

Overlook Plaza Stabilization Project, Paterson, NJ

Survey and analysis of for stabilization, steel framing design, construction documents, specification preparation.

Palmetto Bluff, Bluffton, SC

Stabilization of R.T. Wilson mansion ruins.

Peale House, Philadelphia, PA

Restoration of historic entry and portico, La Salle College.

Pennypacker Mills, Schwenksville, PA

Comprehensive barn restoration assessment, construction documents and specifications.

Philly House, Philadelphia, PA

Survey, assessment, and construction document preparation for interior and exterior renovations.

Please Touch Museum, Philadelphia, PA

Architectural assessment component of CAP study.

River House, Philadelphia, PA

Restoration and reuse for Schuylkill Valley Environmental Education Center. Consultant to Geo. Thomas and Associates,

Sheep Barn at Fox Chase Barn, Philadelphia, PA

Survey and analysis of existing barn, construction documents and recommendations for masonry stabilization.

Springfield Grist Mill at the University of Pennsylvania's Morris Arboretum, Philadelphia, PA

Survey and analysis for emergency stabilization, preparation of construction documents and specifications for the structural reinforcements,

The Arden Crafts Shop, Arden, DE

Historic structures report, consulting to Historic Building Architects, South Bound Brook, NJ.

The David Sheppard House, Bridgeton, NJ

Survey and analysis of existing interior structural conditions; design of structural reinforcements for existing building; structural design and roof design of new addition; specification preparation.

University of Puerto Rico, San Juan, Puerto Rico

Renovation and restoration of the terra cotta roof for the Teatro de Universidad de Puerto Rico at Rio Piedras. Consultant to Davis Fuster Architects.

Women of Excellence, Philadelphia, PA

Comprehensive renovation of former convent for group home facility.

Yale School of Forestry Camp Reconstruction, Milford, PA

Comprehensive reconstruction of Grey Towers. Consultant to Geo. Thomas and Associates,